

Datasheet for ABIN5691026  
**VEGFR2/CD309 ELISA Kit**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	96 tests
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	pTyr996
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Human Phospho-VEGFR2 (Tyr996) and Total VEGFR2 ELISA Kit. This assay semi-quantitatively measures VEGFR2 phosphorylated at Tyrosine-996 as well as total VEGFR2 in cell lysate samples.
Sample Type:	Cell Samples, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human VEGFR2 phosphorylated at site Tyrosine-996 as well as total VEGFR2.
Characteristics:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Anti-Phospho Antibody</li><li>• Anti-Pan Antibody</li><li>• HRP-Conjugated Secondary Antibody</li><li>• Streptavidin-Conjugated HRP</li></ul>

## Product Details

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- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

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### Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Anti-Phospho Antibody
- Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- Streptavidin-Conjugated HRP
- Assay Diluent
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### Material not included:

- Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 µL to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- Benchtop rocker or shaker
- Microplate reader capable of measuring absorbance at 450 nm

## Target Details

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Target: VEGFR2/CD309 (VEGFR2)

Alternative Name: VEGFR2 ([VEGFR2 Products](#))

Gene ID: 3791

UniProt: [P35968](#)

Pathways: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [VEGF Signaling](#)

## Application Details

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Plate: Pre-coated

## Application Details

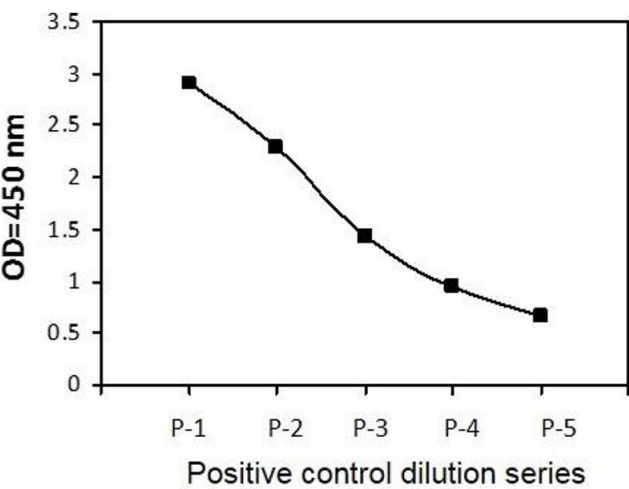
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 µL of sample or positive control to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li><li>4. Add 100 µL of prepared primary antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.</li><li>7. Incubate 1 h at RT.</li><li>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 µL of Stop Solution to each well.</li><li>11. Read at 450 nm immediately.</li></ol>
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Restrictions:	For Research Use only
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## Handling

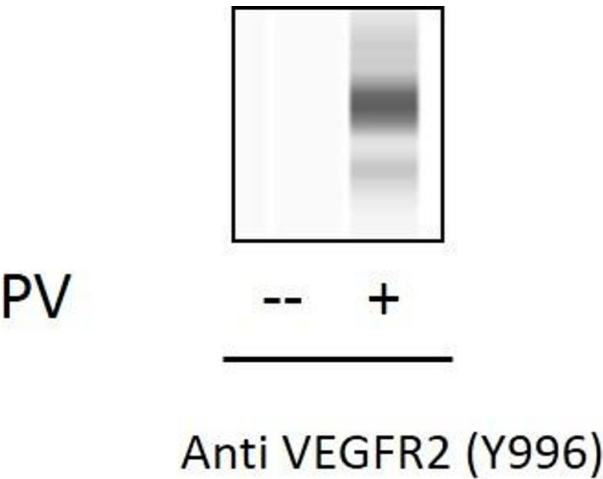
Storage:	4 °C
Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.
Expiry Date:	6 months

## Validation report #103596 for Western Blotting (WB)



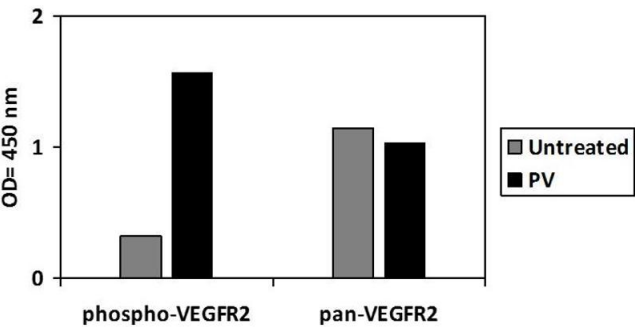
### ELISA

**Image 1.** HUVEC cells were treated with Pervanadate (PV). Cells were solubilized at  $4 \times 10^7$  cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.



ELISA

**Image 2.** HUVEC cells were untreated or treated with PV. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

**Image 3.** HUVEC cells were untreated or treated with PV. Cell lysates were analyzed using this phosphoELISA and Western Blot.